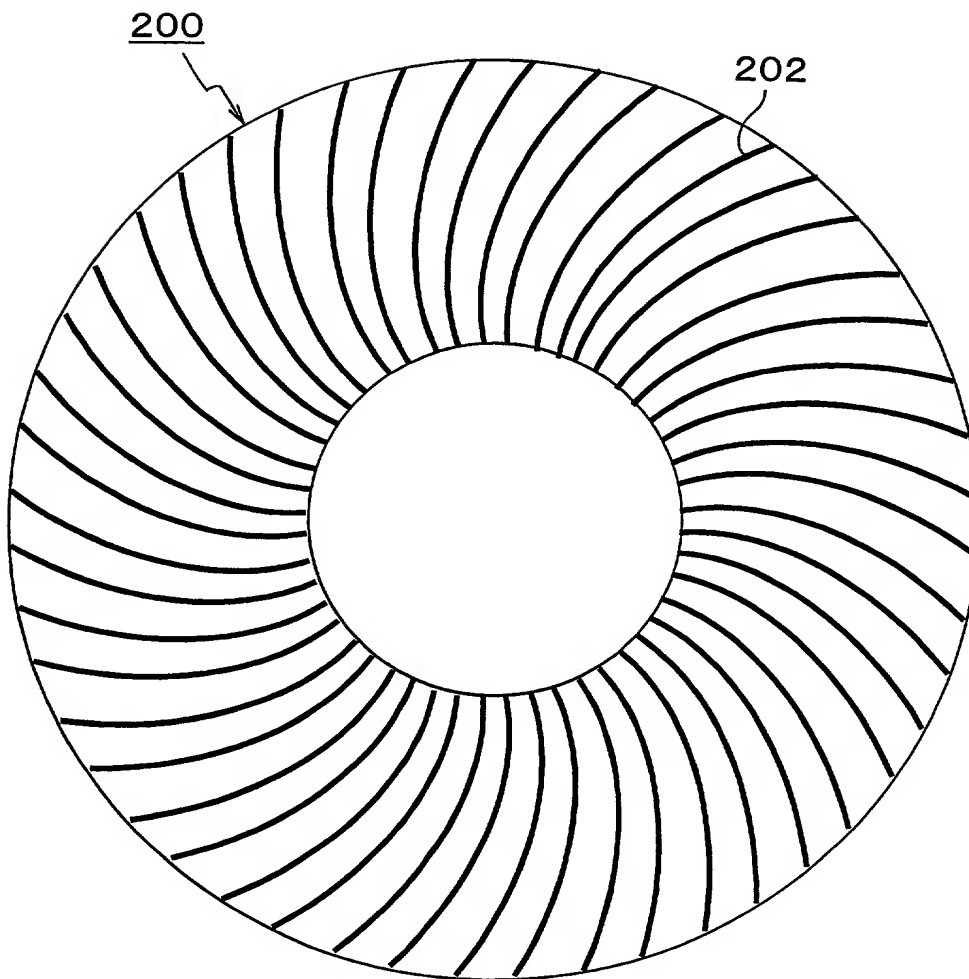


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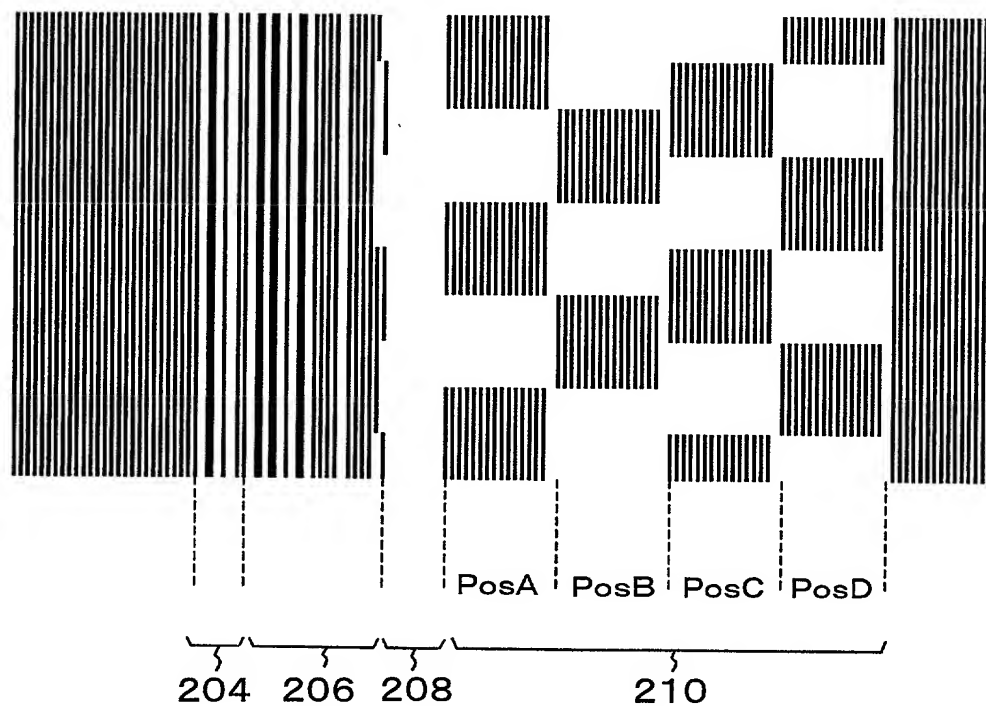
PRIOR ART
FIG. 1



Patented by the U.S. Patent and Trademark Office under Patent No. 5,111,111 on August 19, 1992.

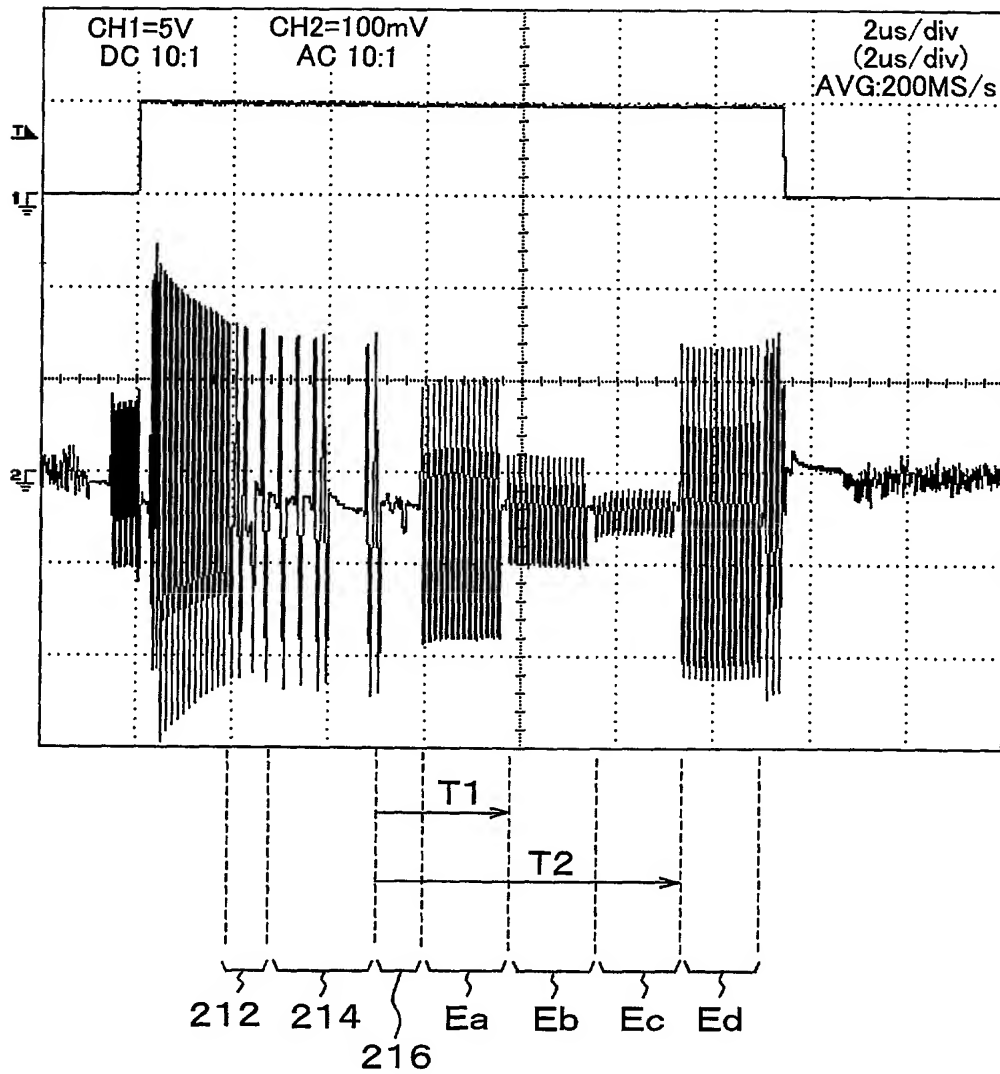
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PRIOR ART
FIG. 2



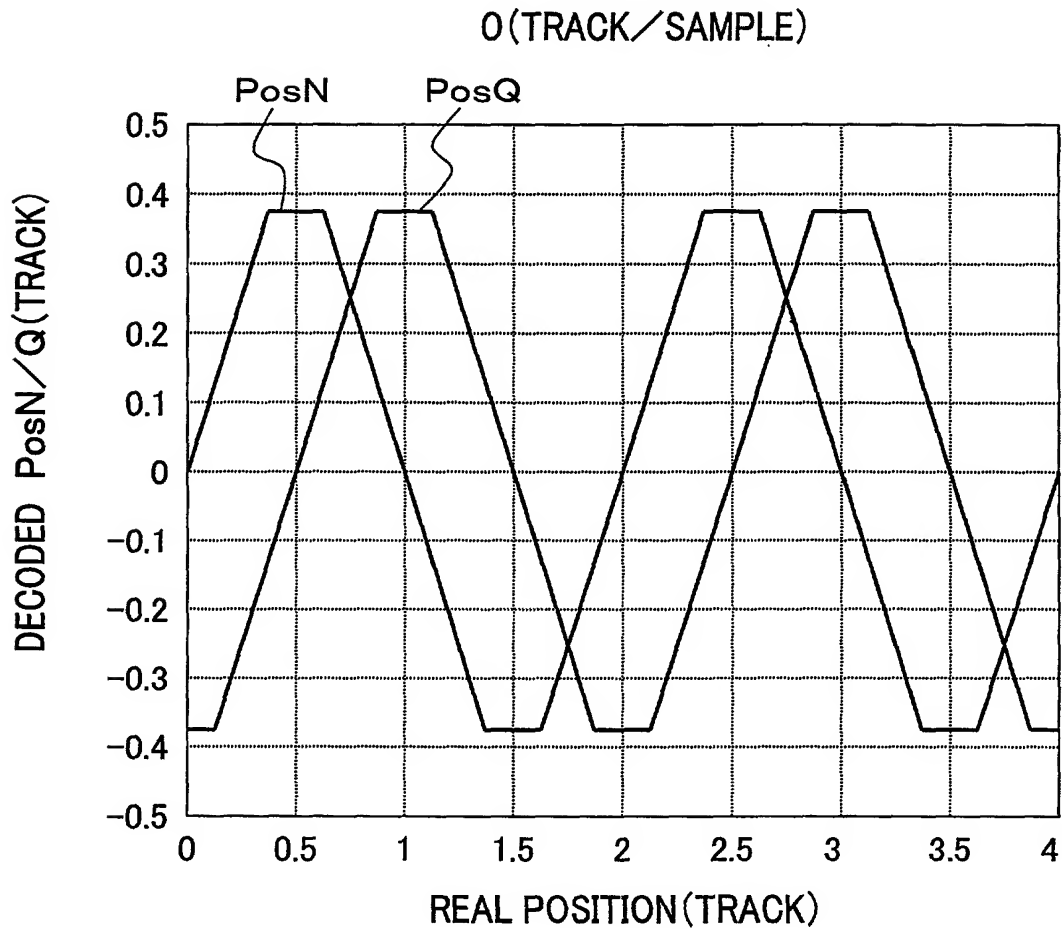
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PRIOR ART FIG. 3

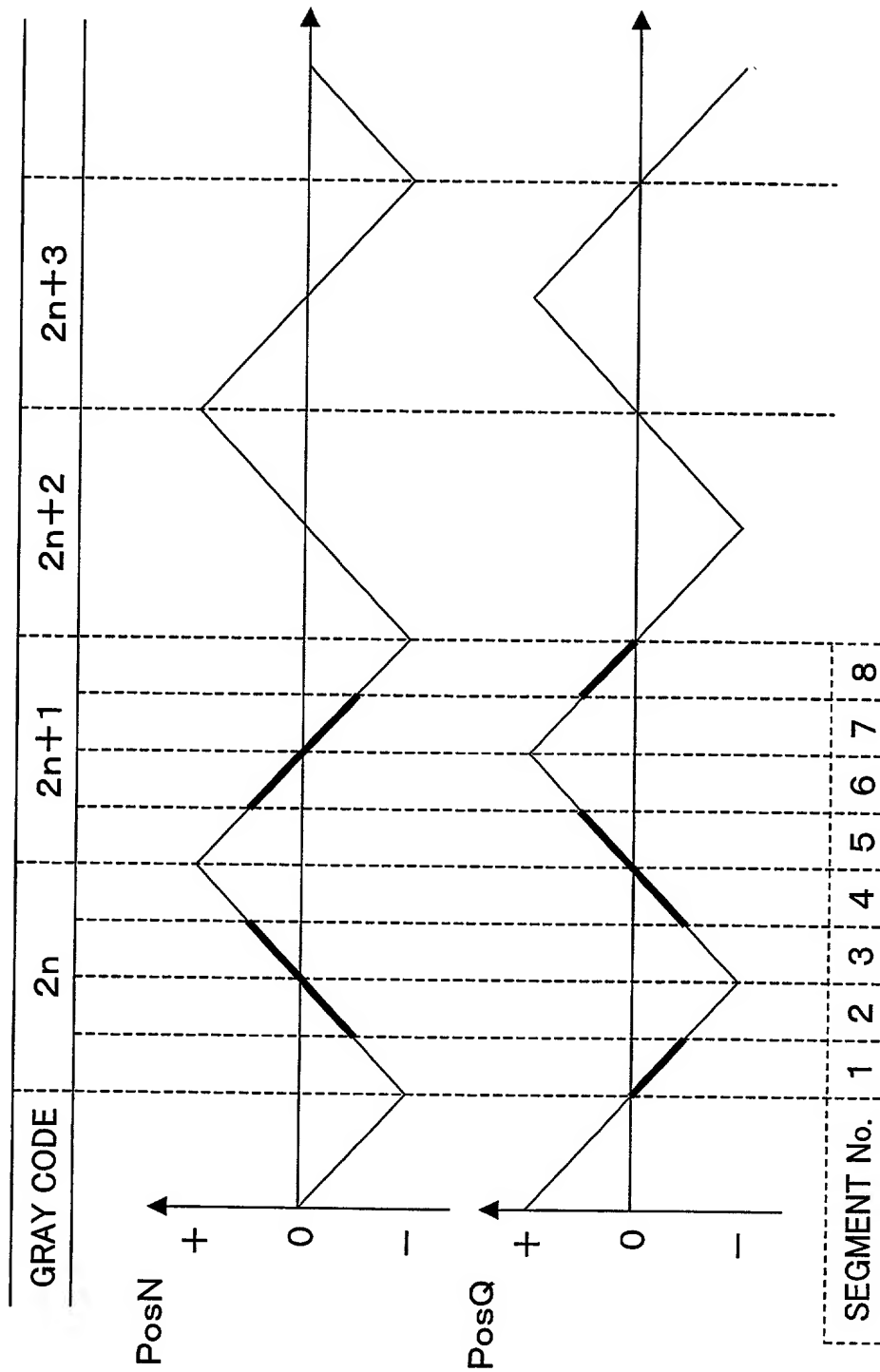


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PRIOR ART FIG. 4



PRIOR ART
FIG. 5



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PRIOR ART
FIG. 6

SEGMENT	PosN	PosQ	Gray%2	$ N \geq Q $	CALCULATING EXPRESSION
1	-	-	0	1	Gray-PosQ-0.5
2	-	-	0	0	Gray+PosN
3	+	-	0	0	Gray+PosN
4	+	-	0	1	Gray+PosQ+0.5
5	+	+	1	1	Gray+PosQ-0.5
6	+	+	1	0	Gray-PosN
7	-	+	1	0	Gray-PosN
8	-	+	1	1	Gray-PosQ+0.5

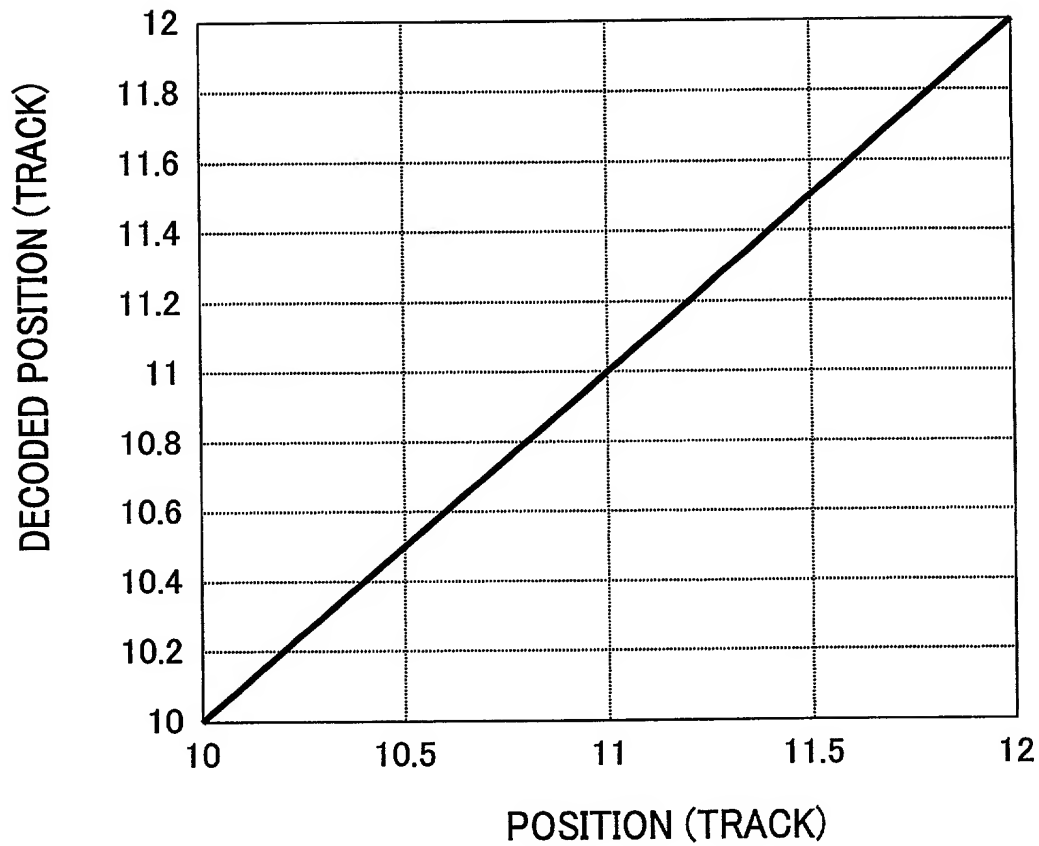
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PRIOR ART
FIG. 7

SEGMENT	PosN	PosQ	Gray%2	$ N \geq Q $	CALCULATING EXPRESSION
1	-	-	0	1	Gray-PosQ-0.5+1
2	-	-	0	0	Gray+PosN+1
3	+	-	0	0	Gray+PosN-1
4	+	-	0	1	Gray+PosQ+0.5-1
5	+	+	1	1	Gray+PosQ-0.5+1
6	+	+	1	0	Gray-PosN+1
7	-	+	1	0	Gray-PosN-1
8	-	+	1	1	Gray-PosQ+0.5-1

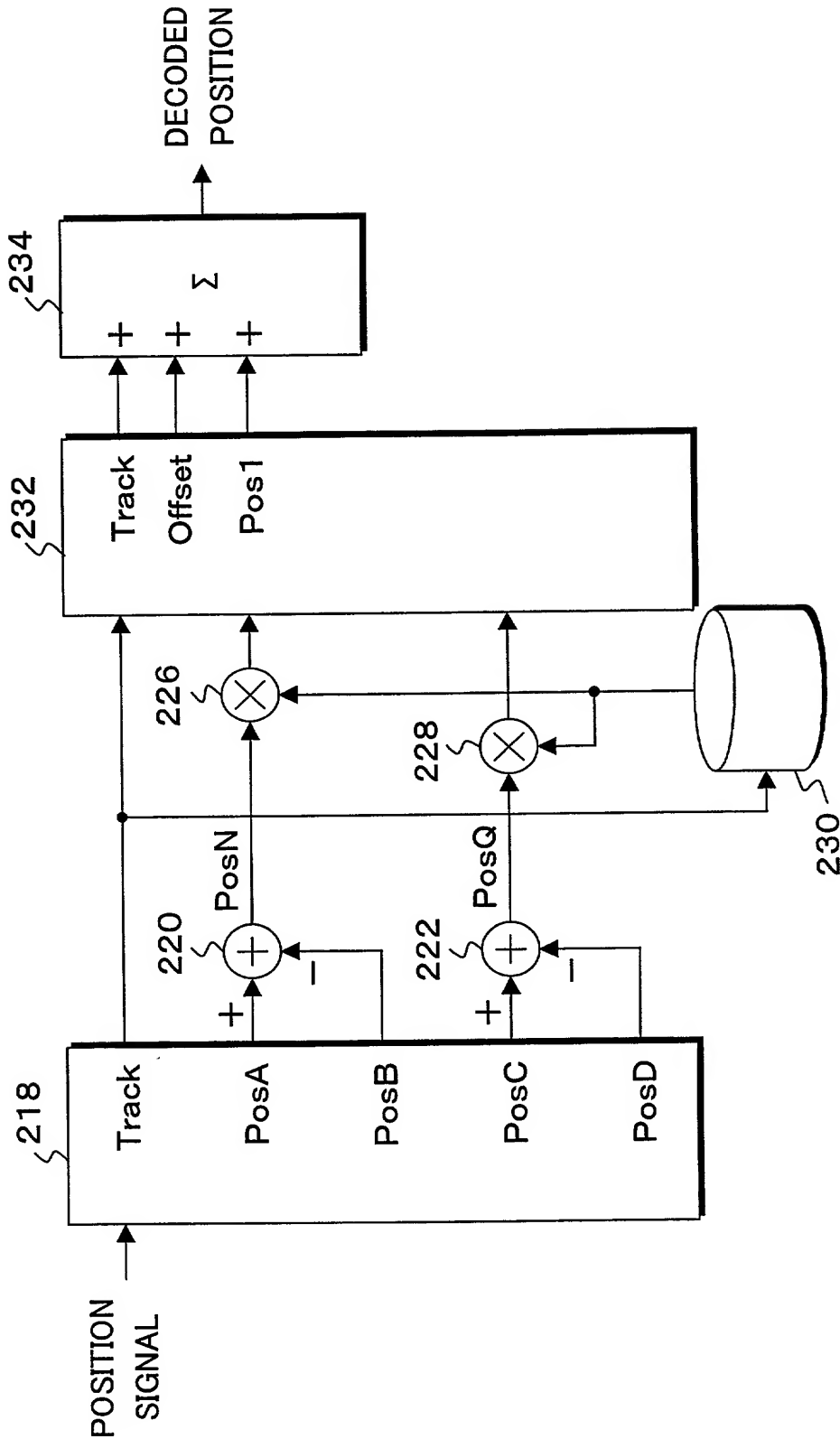
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PRIOR ART FIG. 8



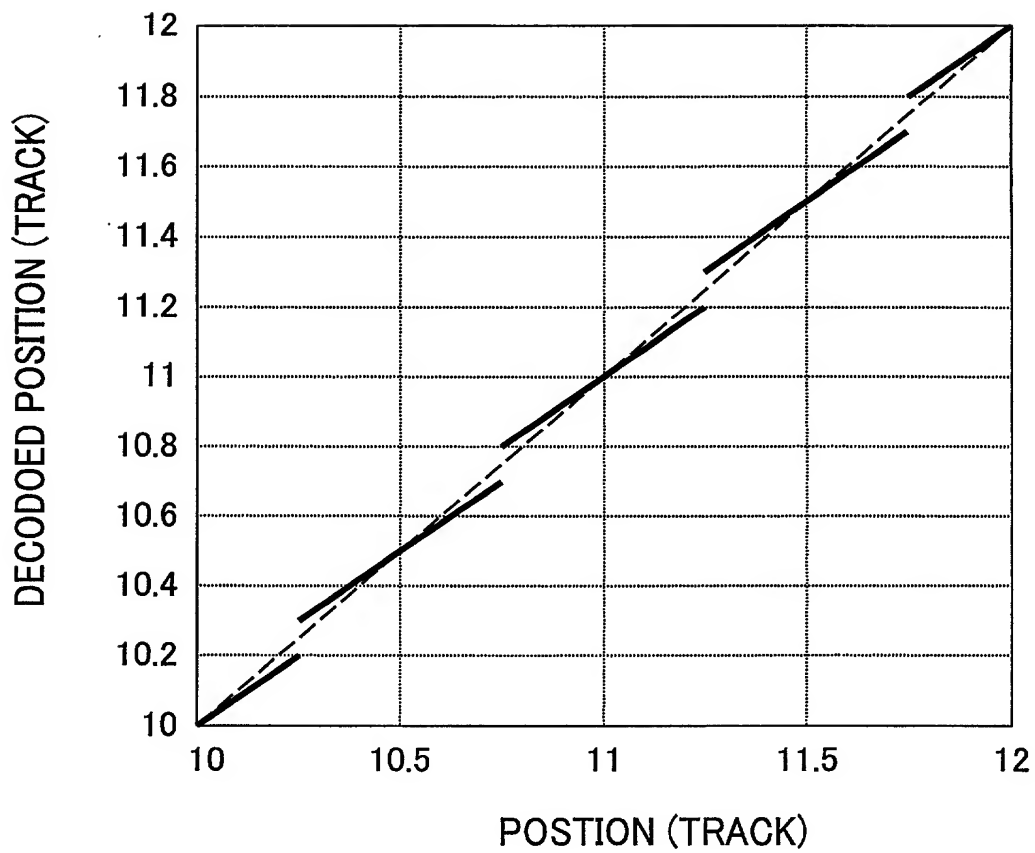
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PRIOR ART
 FIG. 9



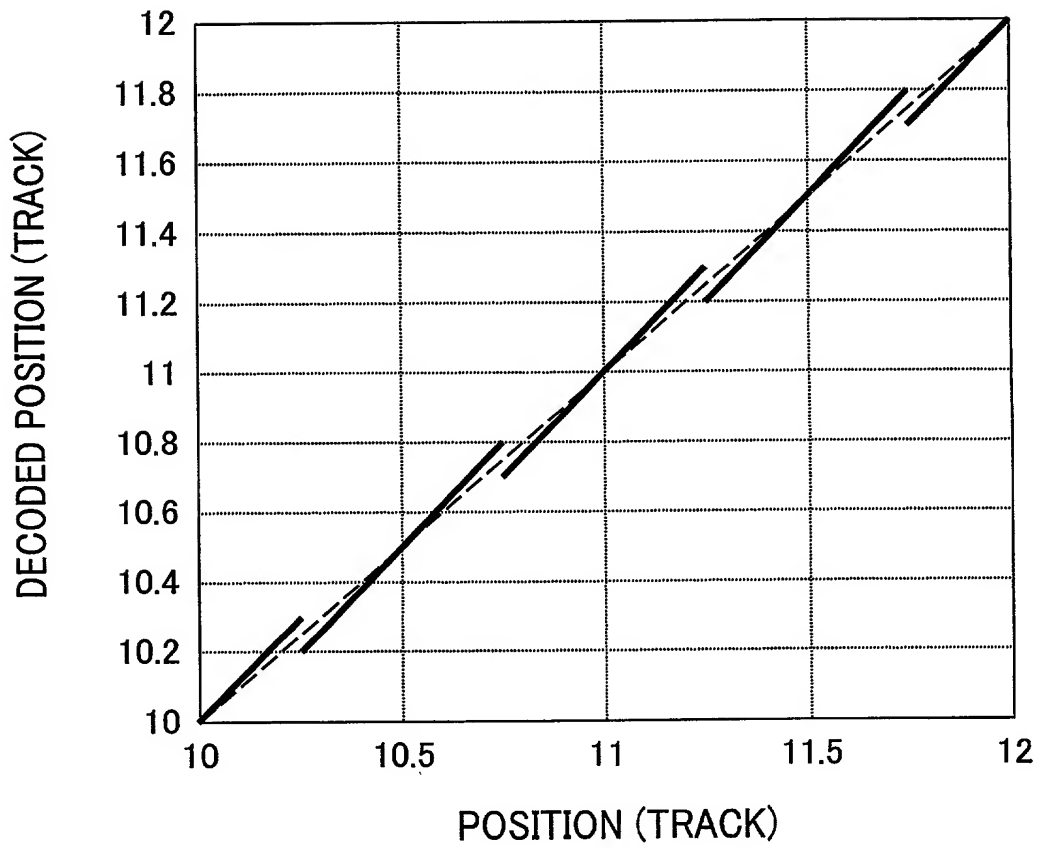
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PRIOR ART FIG. 10



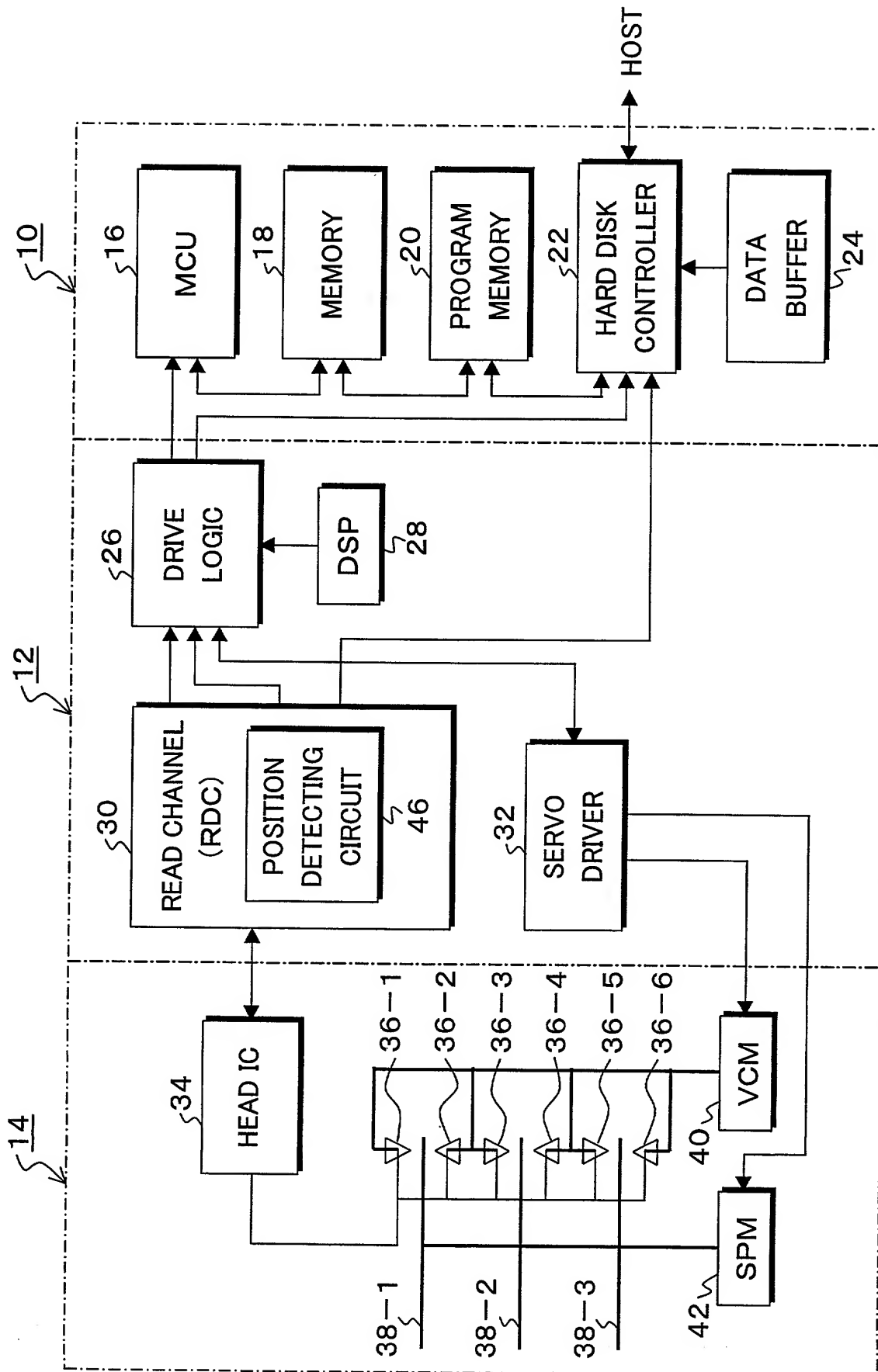
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PRIOR ART FIG. 11



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FIG. 12



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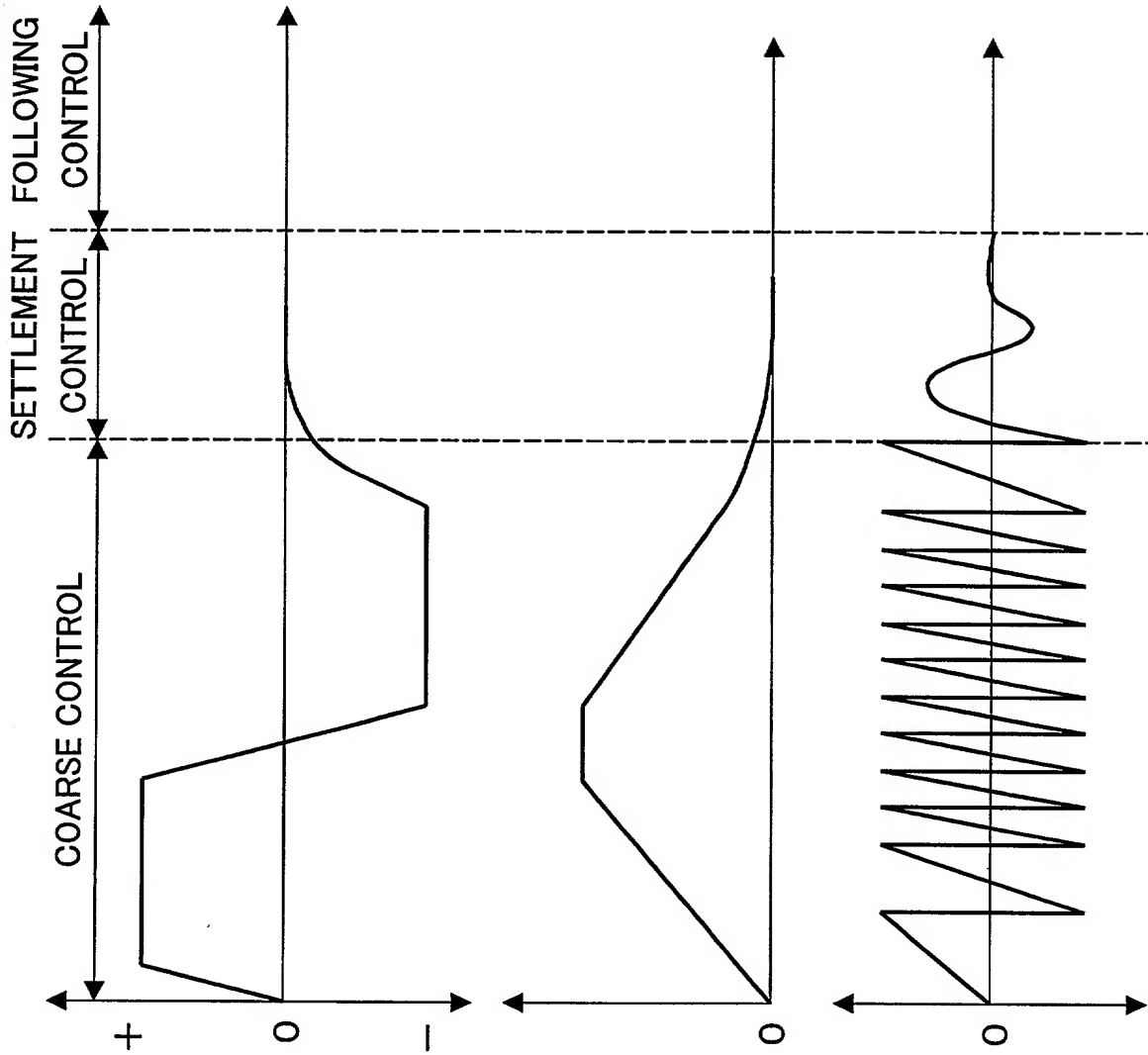


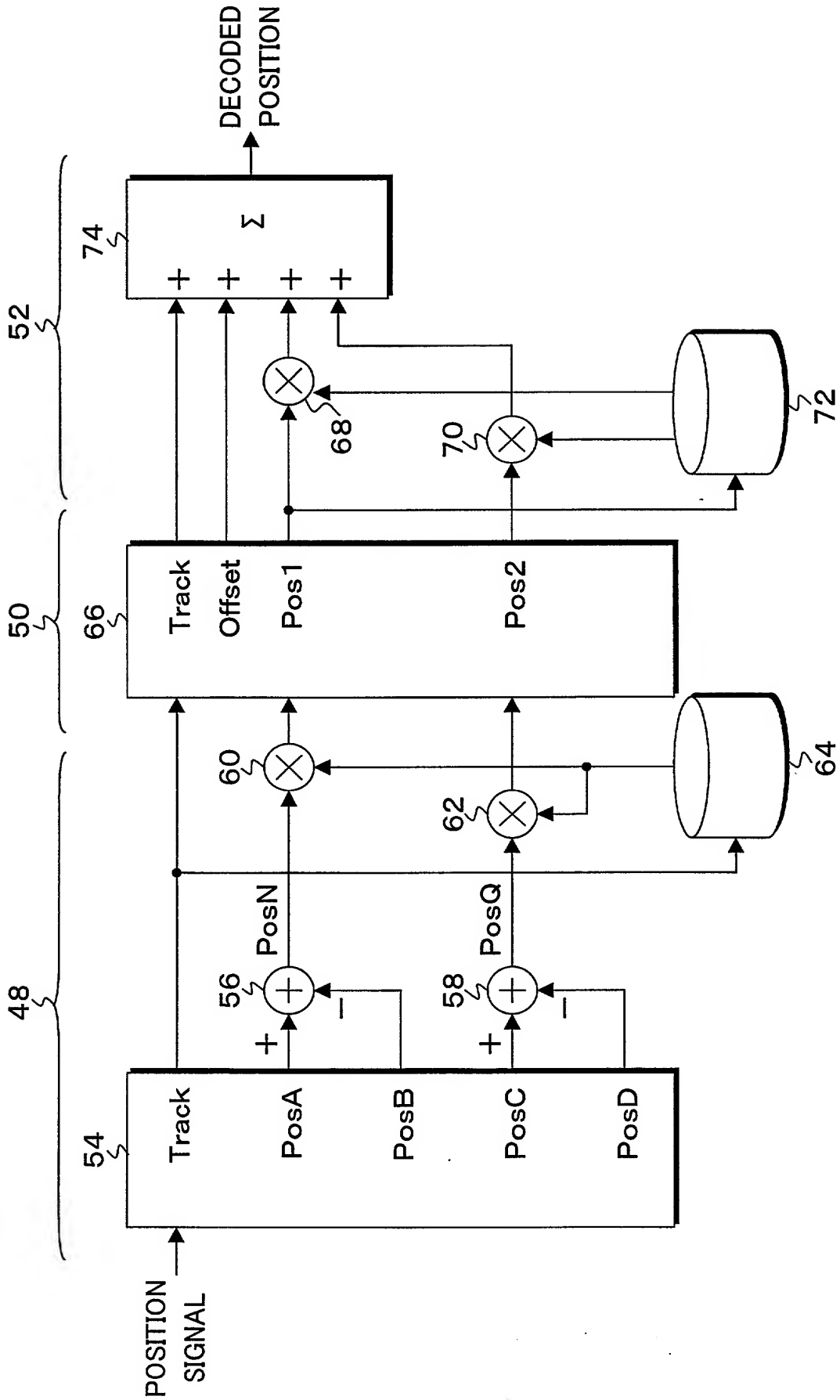
FIG. 13A

FIG. 13B

FIG. 13C

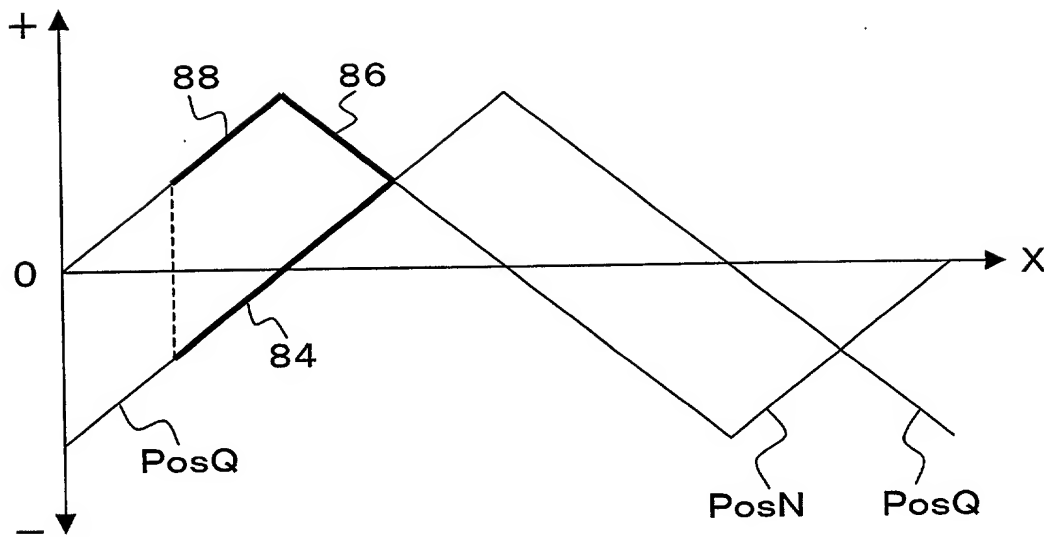
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FIG. 14



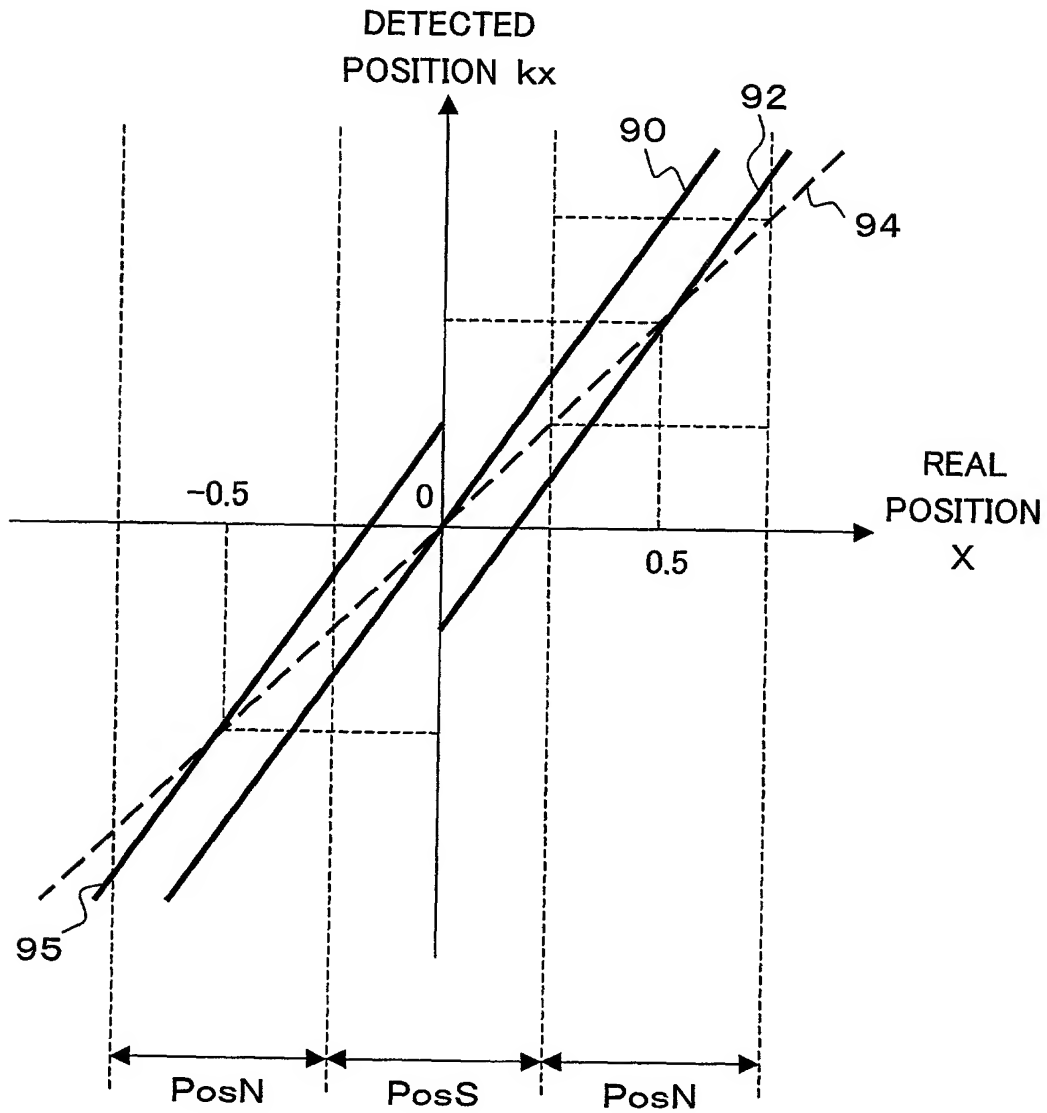
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FIG. 15



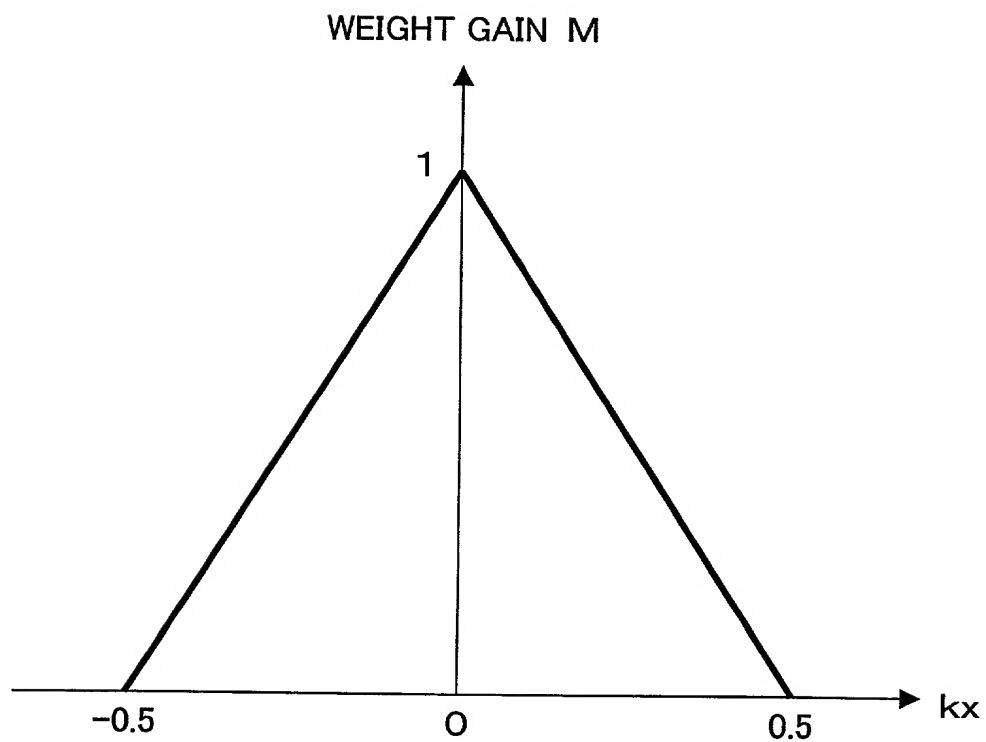
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FIG. 16



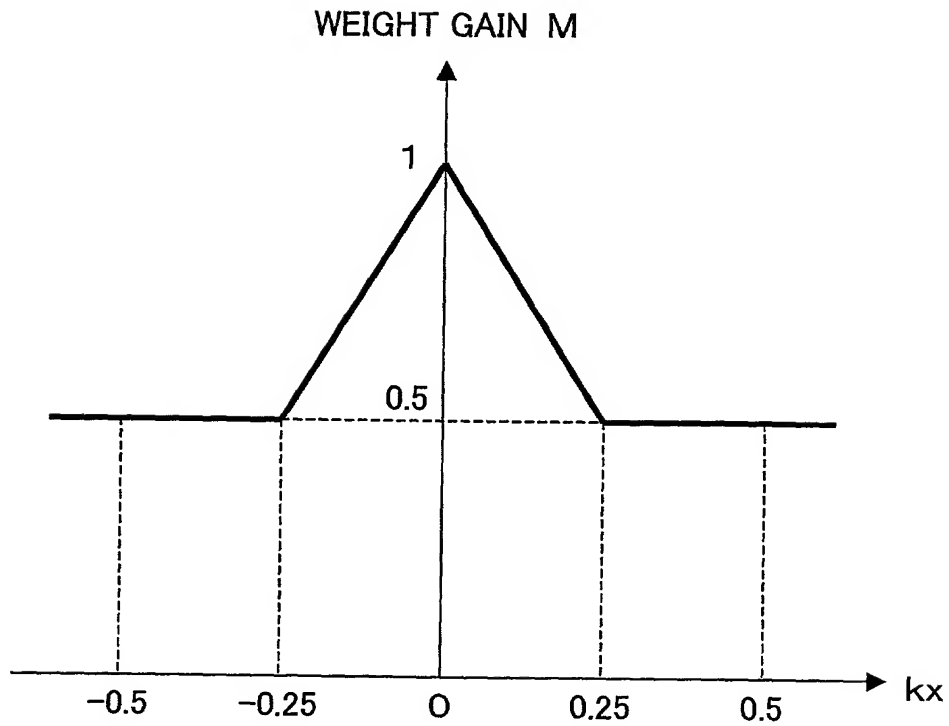
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FIG. 17



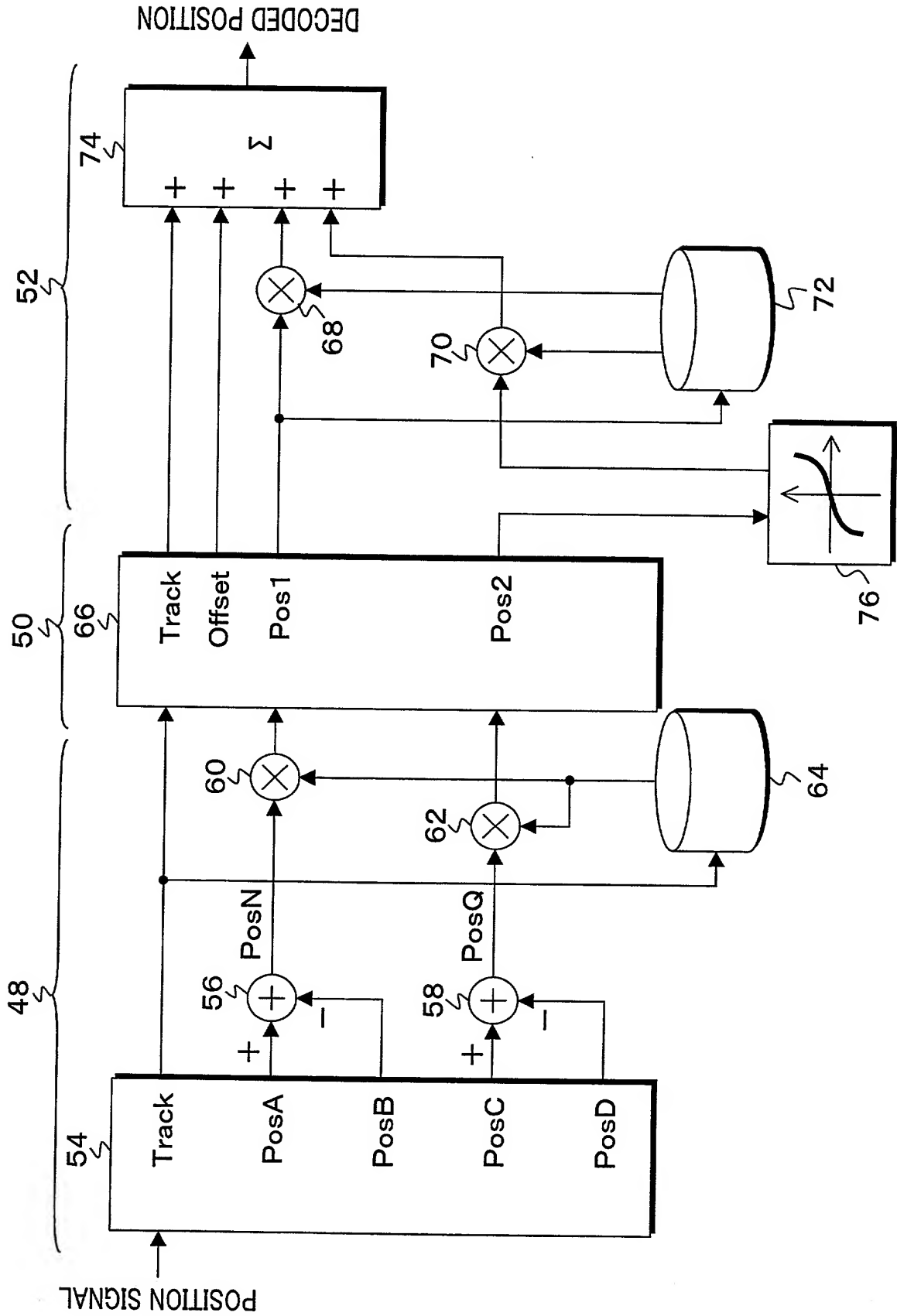
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FIG. 18



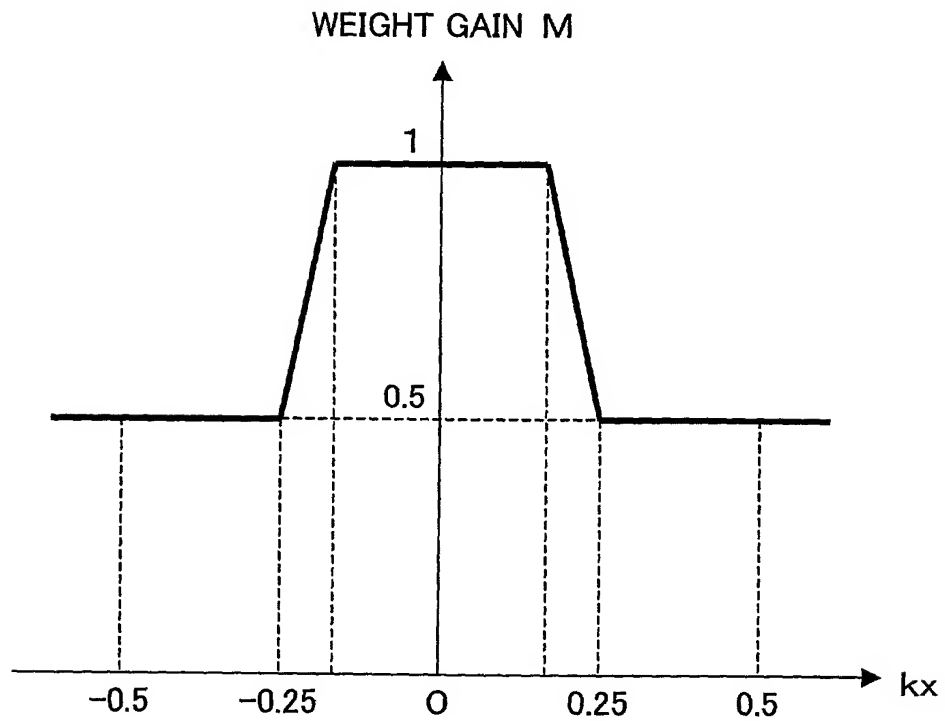
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FIG. 19



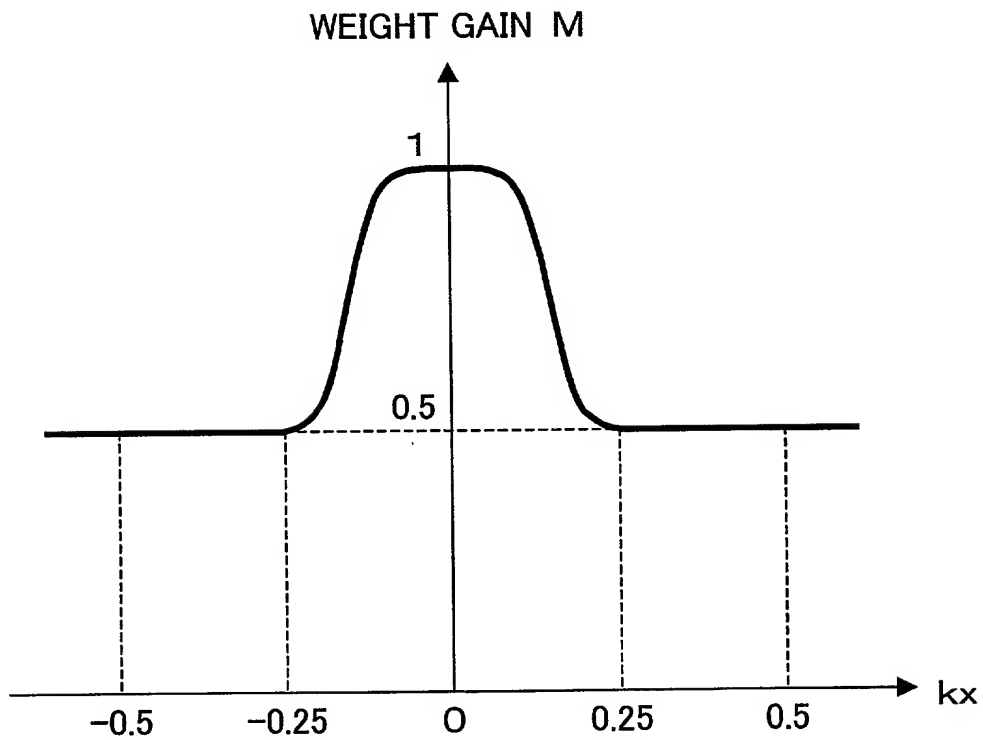
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FIG. 20



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FIG. 21



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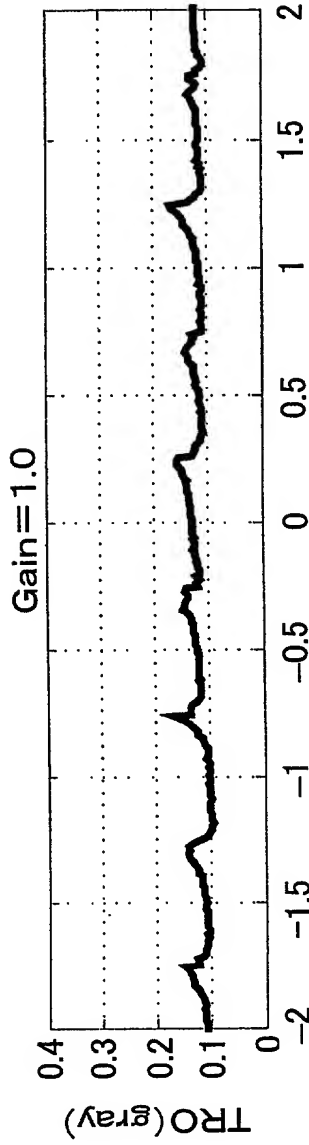


FIG. 22A

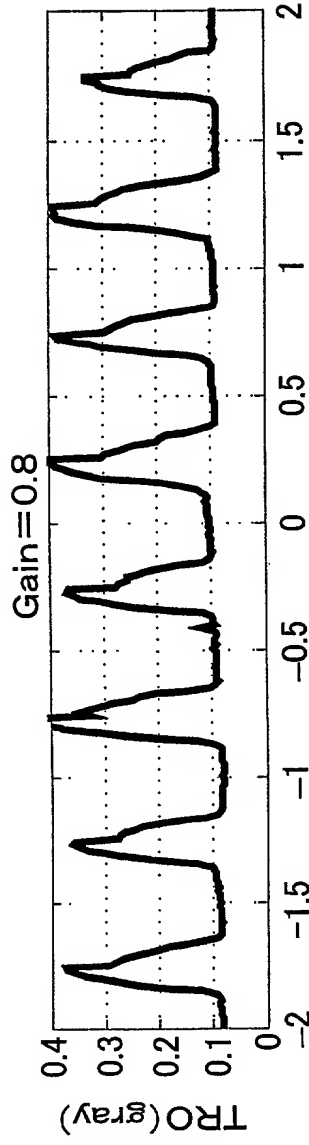


FIG. 22B

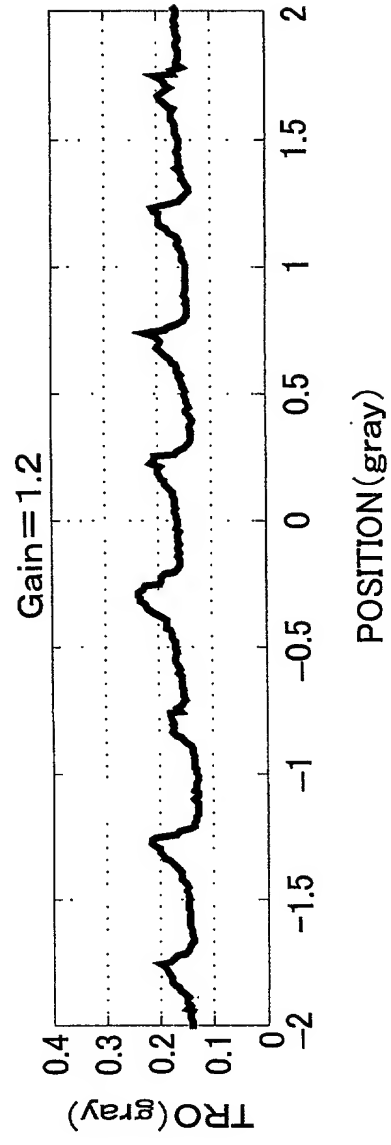


FIG. 22C

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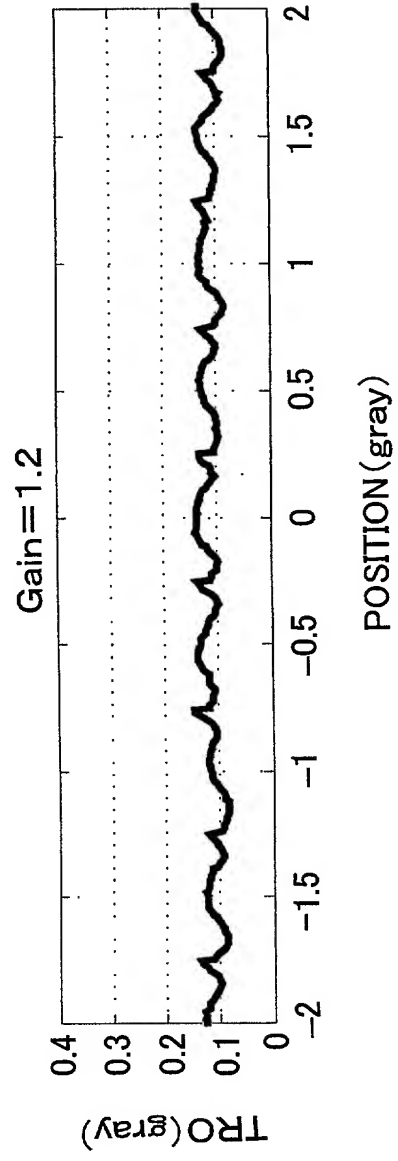
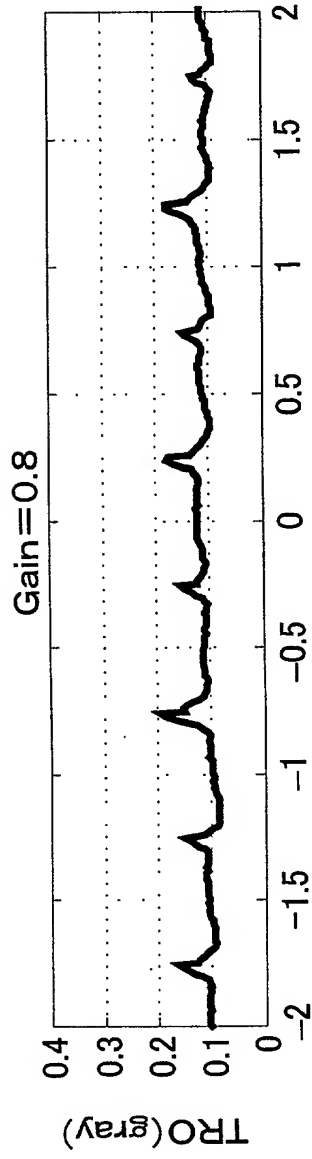
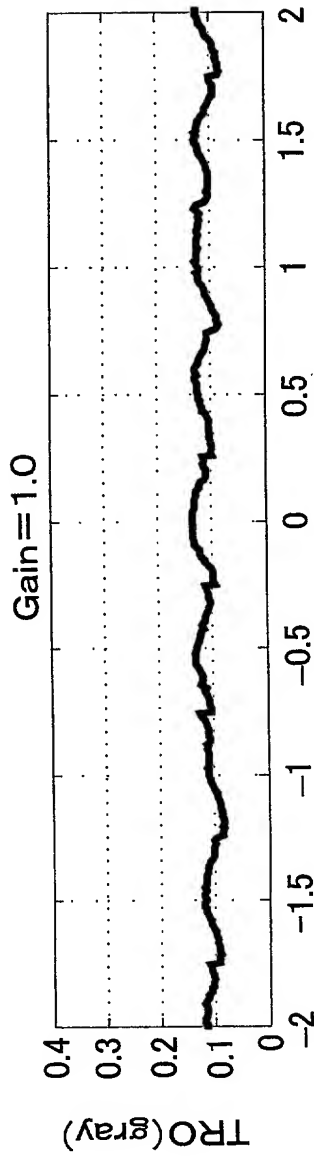


FIG. 23A

FIG. 23B

FIG. 23C

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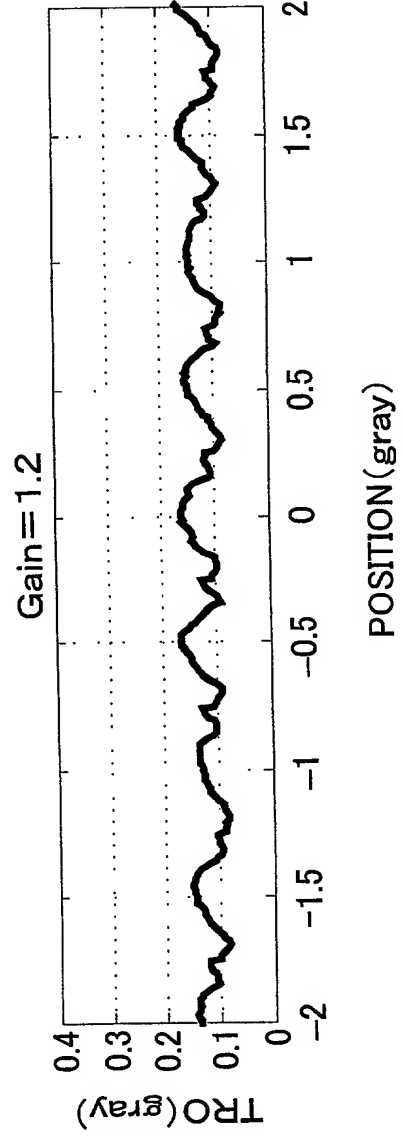
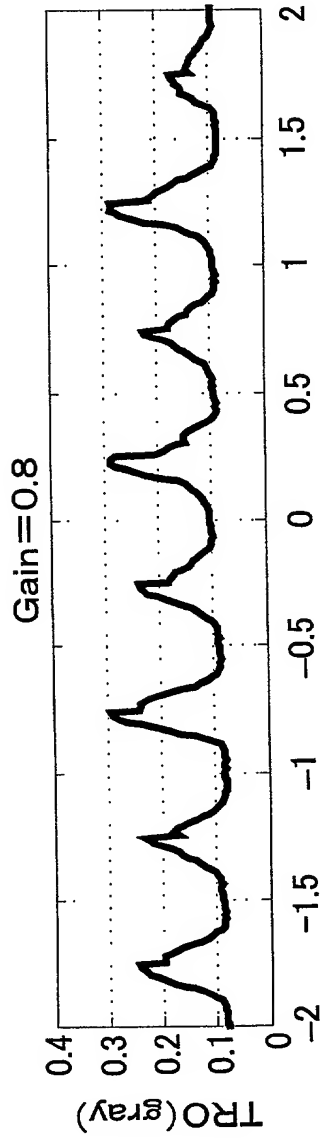
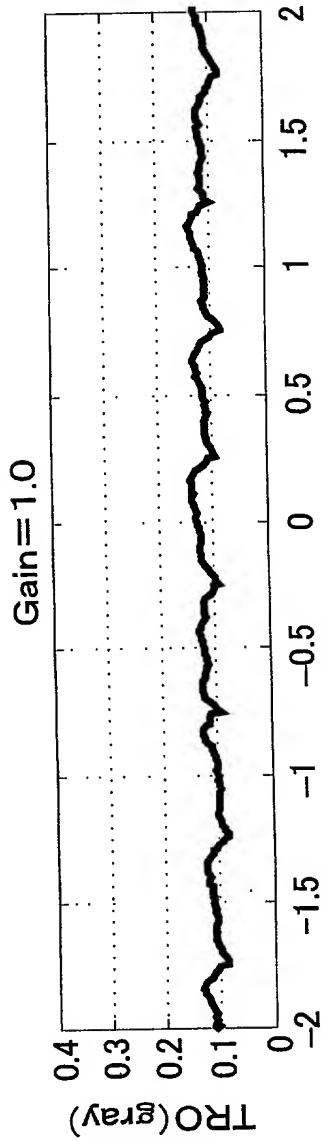


FIG. 24A

FIG. 24B

FIG. 24C

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FIG. 25

SEGMENT	N	Q	Gray%2	$ N \geq Q $	Gray+Offset	Pos1	Pos2
1	-	-	0	1	Gray-0.5	-PosQ	+PosN+0.5
2	-	-	0	0	Gray	+PosN	-PosQ-0.5
3	+	-	0	0	Gray	+PosN	+PosQ+0.5
4	+	-	0	1	Gray+0.5	+PosQ	+PosN-0.5
5	+	+	1	1	Gray-0.5	+PosQ	-PosN+0.5
6	+	+	1	0	Gray	-PosN	+PosQ-0.5
7	-	+	1	0	Gray	-PosN	-PosQ+0.5
8	-	+	1	1	Gray+0.5	-PosQ	-PosN-0.5

FIG. 26

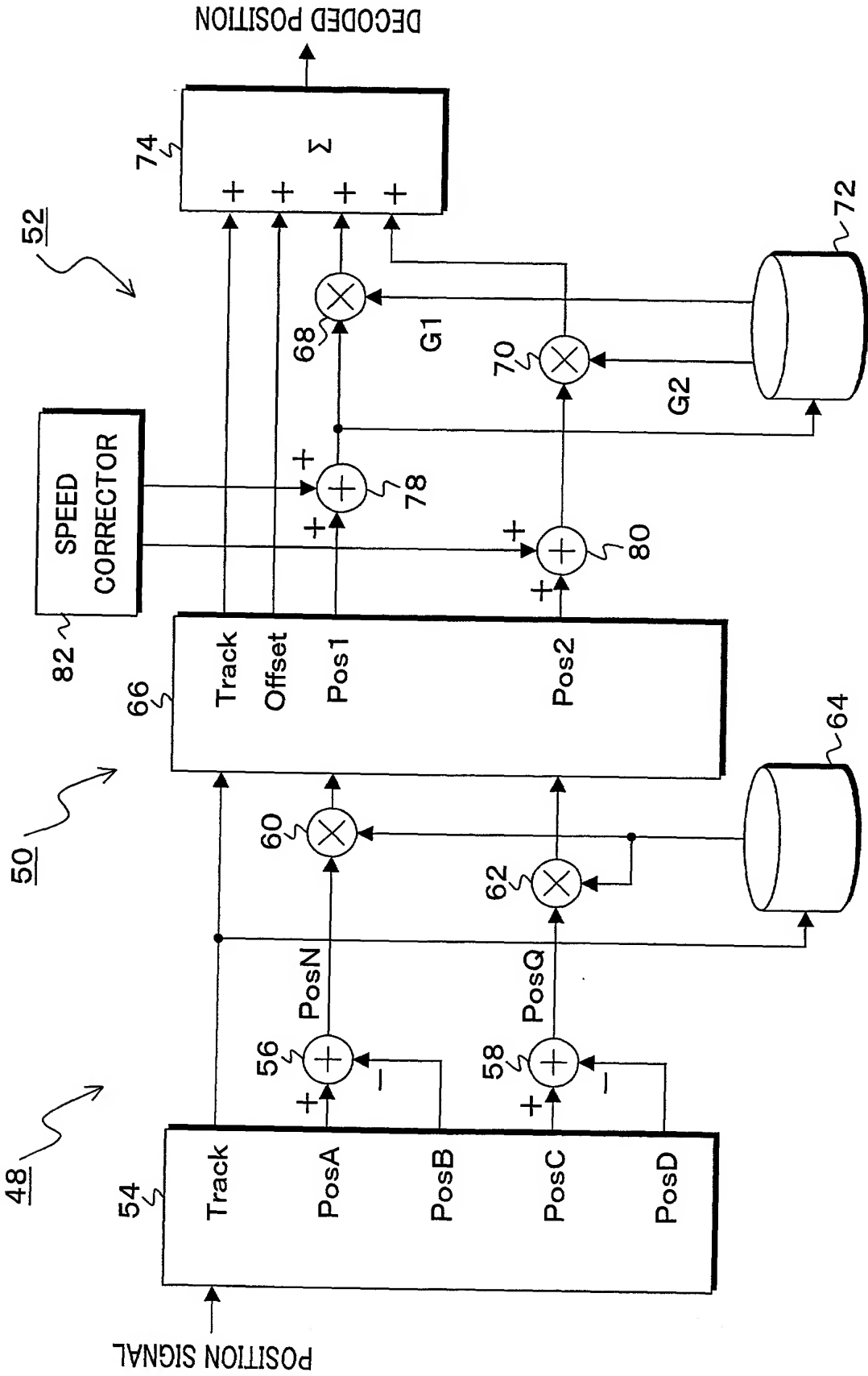


FIG. 27

